

METHOD AND APPARATUS FOR CODED SYMBOL STUFFING IN
RECORDING SYSTEMS
ABSTRACT OF THE DISCLOSURE

A system and method of forming RLL coded data streams with separator blocks has an RLL encoder and a channel encoder. The input code word is divided into data portions and a separator portion. The data portions are inserted into an output codeword without encoding. Each data portion is separated from a next data portion by a space. The separator portion is encoded into non-zero separator sub-matrices, which are stuffed into the spaces between the data portions. The separator portions and the data portions may be separately permuted without exceeding a maximum number of consecutive zeros.